

L 33676-66 EWT(m)/EWF(t)/ETI IJP(c) JD/GD
 ACC NR: AT6013543 (A) SOURCE CODE: UR/0000/65/000/000/0085/0088
 AUTHOR: Lindstrom, I. S.; Sventitskiy, N. S.; Shlepkova, Z. I. 7/1
 ORG: None 2/1
 TITLE: Spectral determination of oxygen in titanium from lines in the vacuum region of the spectrum
 SOURCE: Ural'skoye soveshchaniye po spektroskopii. 4th, Sverdlovsk, 1963.
 Materialy. Moscow, Izd-vo Metallurgiya, 1965, 85-88
 TOPIC TAGS: spectrum determination, oxygen, titanium, spectrographic analysis, ionized gas, vacuum technique
 ABSTRACT: The authors study spectral determination of oxygen in titanium. An SP-99 normal-incidence vacuum spectrograph was used for photographing the spectra of the specimens in the ultraviolet region from 50 to 300 mμ. The diffraction grating was made of aluminum with 1200 lines/mm and a radius of curvature of 2 m. The spectra were photographed on "panchrome-11" film sensitized with sodium salicylate. Exposure consisted of 15 pulses. A schematic diagram and description are given of the low-voltage pulse generators used for producing the vacuum discharge. The comparison standards were 5 specimens of commercial titanium with oxygen contents ranging from 0.02 to 1.0%. In the 70-100 mμ vacuum region, oxygen lines may be observed with

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ACC NR: AT6013543

varying degrees of ionization--from OII to OIV. Analytical curves for oxygen determination were plotted with respect to 8 oxygen lines taking 2 titanium lines for comparison. The proposed method for spectral determination of oxygen in titanium provides more intense oxygen lines in the vacuum region of the spectrum with a low-intensity background. The method also gives a high concentration sensitivity for oxygen and a small relative error for oxygen determination. In addition to this, the amount of oxygen in the vacuum may be disregarded, while it is nearly impossible to achieve a high degree of purity for the neutral gases used in discharge chambers. Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 06Jul65/ ORIG REF: 011/ OTH REF: 007

Card 2/2

LIKHACHEV, I.V.

"Hydroxide-aluminum Vaccine against Sheep-pox"

Sc: Veterinariya, Vol.20, No.3/4, March/April 1943, uncl.

USSR/Medicine - Virus Diseases
(Veterinary)

May 51

'Biological Properties of the Virus of Pseudo-
fluage of Fowl," I. V. Likhachev, V. N. Syurin,
Yu. F. Borisovich, State Sci Control Inst of
Vet Preps, Min of Agr USSR

"Veterinariya" Vol XXVIII, No 5, pp 22-26

In attempts to obtain harmless strain of the virus,
adapted it to ducklings and adult ducks (by in-
jecting into the brain), then passed it through
guinea pigs, rabbits, cats, and mice. Although
virus was attenuated with respect to its effect

182172

LC

USSR/Medicine - Virus Diseases
(Veterinary) (Contd)

May 51

on chickens, it still penetrated into the
brain of some of the chickens vaccinated with
it and produced atypical disease.

LC

182172

LIKHACHEV, I. V.

LIKHACHEV, Ivan Vasil'yevich; ARTEMOV, M.N., red.; NIKOLAYEVA, L.N.,
tskh. red.

[The hauling of agricultural products by truck] Perevozki
sel'skokhoziaistvennykh produktov avtomobil'nym transportom.
Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i
shosseinykh dorog RSFSR, 1960. 71 p. (MIRA 14:4)

(Transportation, Automotive)

LIKHACHEV, L.Ya.

Investigating the conditions of ventilating mine workings in
Kuznetsk Basin mines according to the dust factor. Vop.bezop.
v ugol'.shakh. 4:101-115 '64. (MIRA 18:1)

LIKHAČEV L.Ya., inzh.; KHARITONOV, A.S., inzh.; VASIL'YEV, G.V.; STARIKOV, V.F. 2

Using overall dust suppression at the "Abashevskaya-2" mine. Ugol'
40 no.6:61-63 Je 65. (MIRA 18:7)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot
v gornoy promyshlennosti (for all except Kharitonov). 2. Shakhta "Abashev-
skaya-2" (for Kharitonov).

LIKHACHEV, L.Ya.; CHERKASOV, V.S.

Effect of the disperse composition of mine dust on the air dustiness at various ventilation current speeds. Vop.bezop.v ugol'.
shakh. 4:115-1:1 '64. (MIRA 18:1)

LIKHACHEV, L.Ya., inzh.; ONTIN, Ye.I., inzh.

Using the energy of explosives in humidifying coal blocks.
Bezop.truda v prom. 3 no.12:26 D '59. (MIRA 13:4)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti.
(Coal mines and mining--Safety measures)

LIKHACHEV, L.Ya., gornyy inzh.; ONTIN, Ye.I., gornyy inzh.

Response to IU Kuznetsov's article "Preliminary wetting of
coal in the block as a factor to increase labor productivity."
Ugol' 36 no.3:56 Mr '61. (MIRA 14:5)
(Coal mines, and mining)
(Kuznetsov, IU.V.)

LIKHACHEV, L. Ya.
ONTIN, Ye. I., inzh.; LIKHACHEV, L. Ya., inzh.

Water injection into the seam through deep boreholes. Ugol' 36
no.6:56-59 Je '61. (MIRA 14:7)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti.

(Mine dusts)

(Mining engineering—Safety measures)

LIKHACHEV, I.Ya.; BELONOGOV, I.P.; VASIL'YEV, V.I.

Studying the efficiency of using water screens and normalization
of their operation. Nauch. soob. VostNII no.3:80-82 '63.
(MIRA 17:5)

LYKHACHEV, A. Ya. Inzn.; CHIR, Ye. I.

Study of the parameters of water injection in the oil field and
of denesting ventilation in the Kurovskaya Basin. Ber'ba
s all. 6:11-13 '74 (MIRA 1252)

1. Vozdushnyy teplo- i vodoobmen v skvazhine pri izmenenii
ustanovivshiesya gornoy pressirovki.

LEGKODUKH, I. G., inzh.; LIKHACHEV, L. Ya., inzh.

Degassing during preliminary wetting of a coal seam through
short holes. Ugol' 38 no.4:54-55 Ap '63. (MIRA 16:4)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti.

(Mine gases)

LIKHACHEV, M.

USSR/Electronics - Television

Card 1/1

Authors : Likhachev, M. and Shtronberg, P.

Title : The large Television Screen

Periodical : Radio. 5, 36 - 38, May 1954

Abstract : This article gives a general description of a television receiver set used in the Moscow movie house "Ermitazh" (Hermitage). The picture received by the television set is projected on a screen of 3x4 meters. The article discusses the technical problems involved, namely: clarity of image, light and acoustics. It also discusses the improvements intended to be introduced into the television sets used for large audiences. Four illustrations giving a general view of the set and some of its parts are shown.

Institution :

Submitted :

LIKHACHEV, M.

AUTHOR: Likhachev, M., Shtromberg, R.

107-57-5-50/63

TITLE: "Moskva" Projection-Type TV Set (Proyektsionnyy televizor "Moskva")

PERIODICAL: Radio, 1957, Nr 5, p 45 (USSR)

ABSTRACT: One of Moscow radio plants has started a batch production of "Moskva" projection-type tv sets (see second page of the back cover). The new tv set is intended for various public places like schools, hospitals, clubs, etc. Its 0.9x1.2 m concave-cylindrical aluminum screen has a brightness of 1.5-2 millistilbs and is normally placed at 2.5 m from the kinescope; its weight is 25 kg (with its housing). The 5-channel tv set proper has a sensitivity of 100 μ v or better, definition 500-550 lines, a-f response 40-12,000 cps, sound amplifier power 4 w. (It can be used also as a 64-73 mc f-m radio receiver). Five dynamic loudspeakers are mounted on all four sides of the cabinet: two 5-watt 5GD10 on the front wall, one 1-watt 1GD9 on each side wall, and one 5-watt 5GD14 on the rear (that is, facing the large screen) wall of the cabinet. The projection-type 6LK1B kinescope has a 65-mm diameter screen or a format of 36x48 mm, light-spot diameter 0.06-0.07 mm, high voltage 25 kv, mean beam current 100-150 μ a, screen brightness 1-1.5 stilbs, rated life 500 hrs at 150 μ a beam current (actual life has been over 2,000 hrs in most cases). Size of the cabinet 560x460x820 mm. Other data given. There are one figure in the article and one on the second page of the back cover.

AVAILABLE: Library of Congress
Card 1/1

LIKHACHYV, M.; SHOKIN, A.

World fair. Radio no.1:28-30 Ja '58.

(MIRA 11:1)

(Brussels--Fairs)

(Radio--Receivers and reception)

(Television--Receivers and reception)

STAROS, F.; LIKHACHEV, M.

Electronics of thin films. Radio no.1:18-20 Ja '64.
(MIRA 17:8)

LIKHACHEV, M.

Outstanding scientist and engineer. Radio no.8:11-12 Ag '61.
(MIRA 14:10)

1. Zamestitel' predsedatelya nauchno-tekhnicheskogo soveta Goskomiteta
Soveta Ministrov SSSR po elektronnoy tekhnike.
(Vologdin, Valentin Petrovich, 1881-)

ACCESSION NR: AP4010375

8/0107/64/000/001/0018/0020

AUTHOR: Staros, F.; Likhachev, M.

TITLE: Film electronics

SOURCE: Radio, no. 1, 1964, 18-20

TOPIC TAGS: microminiaturization, micromodule, multilayer film circuit, microelectronics, micromodule production method, microtransistor

ABSTRACT: The making of a multivibrator micromodule from 10 layers of conducting and insulating materials is briefly described. Well-known materials used for such structures are listed. The authors say: "As a rule, layers of conducting materials have a thickness of a few hundred A, layers of dielectrics in the capacitors 1,000-5,000 A, conducting layers 1,000-10 A". Known methods of vacuum vaporization are briefly reported, with the electron-beam and ion-beam potentialities mentioned. A microtransistor with gold electrodes and a cadmium sulfide semiconductor (voltage gain 50, characteristic 5 ma/v) are also briefly described. Orig. art. has: 4 figures.

Card 1/2

51"
ACCESSION NR: AP4010375

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: GE

DATE ACQ: 11Feb64

NO REF SOV: 000

ENCL: 00

OTHER: 000

Card 2/2

LIKHACHEV, M.

"Big chemistry" and electronics. Radio no.11:3 N '63. (MIRA 16:12)

1. Zamestitel' predsedatelya Tsentral'nogo pravleniya Nauchno-
tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni
A.S.Popova.

LIKHACHEV, M., inzh.; SERGEYEV, V., inzh.

Miniature receivers. Radio no.5:49 My '65.

(NERA 18:5)

LIKHACHEV, M.

Large television screen. Radio no.9:47-49 S '53.

(MIRA 6:8)

(Television--Projection)

VOVENKO, A.S.; KULAKOV, B.A.; LIKHACHEV, M.F.; LYUBIMOV, A.L.; MATYLENKO,
Yu.A.; SAVIN, I.A.; STAVINSKIY, V.S.

[Differential Cherenkov gas counters] Differentsial'nyi gazovyi
cherenkovskii schetchik. Dubna, Ob"edinennyyi institut iadernykh
issledovaniy, 1961. 11 p.
(Nuclear counters) (MIRA 14:10)

LIKHACHEV, M. F.

S/056/62/043/001/047/056
B102/B104

AUTHORS: Darkov, L. M., Mukhin, K. N., Ogurtsov, V. V.,
Romantseva, A. S., Svetlolofov, I. A., Chuyeva, S. A.,
Shlyapnikov, R. S., Likhachev, M. F., Stavinskiy, V. S.,
Strunov, L. N.

TITLE: The problem of the D^+ -meson

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,
no. 1(7), 1962, 335-337

TEXT: The authors have searched for a D^+ -meson production or a decay
among 14,000 pairs of photographs. A propane bubble chamber with pulsed
magnetic field was irradiated with a beam of positively charged particles
(momentum ≈ 1.8 Bev/c) containing up to 9% K^+ mesons. The processes
looked for were $K^+ + p \rightarrow D^+ + \Sigma^+$ and

$D^+ \rightarrow K^0 + \pi^+$
 $D^+ \rightarrow K^+ + \pi^0$
Card 1/2

The problem of the D^+ -meson

S/056/62/043/001/047/056
B102/B104

The first branch of the decay reaction is the more possible. Neither a process $K^+ + p \rightarrow D^+ + \Sigma^+$ nor one of the type $K^+ + n \rightarrow D^+ + \Sigma^0$ could be found. It is inferred that the D^+ meson production cross section in K^+N reactions will be smaller than $1.2 \cdot 10^{-29} \text{ cm}^2$.

ASSOCIATION: Institut atomnoy energii (Institute of Atomic Energy)
(R. S. Shlyapnikov); Ob"yedinennyy institut yadernykh
issledovaniy (Joint Institute of Nuclear Research)
(L. N. Strunov)

SUBMITTED: April 25, 1962

Card 2/2

LIKHACHEV, M.P.; STAVINSKIY, V.S.; SYUY YUYN'-CHAN; CHZHAN NAY-SEN'
[Chang Nai-sen]

Total cross sections of the interaction of K^+ and π^+ -mesons having
pulse energies of 4.75 and 3.7 bev/c with protons and nuclei. Zhur.
eksp.i teor.fiz. 41 no.1:38-41 JI '61. (MIRA 14:7)

1. Ob'yedinennyy institut yadernykh issledovaniy.
(Synchrotron) (Mesons) (Protons)

S/120/62/000/002/009/047
E039/E520

AUTHORS: Vovenko, A.S., Kulakov, B.A., Likhachev, M.F.,
Lyubimov, A.L., Matulenko, Yu.A., Savin, I.A. and
Stavinskiy, V.S.

TITLE: A differential gas Cherenkov counter

PERIODICAL: Pribery i tekhnika eksperimenta, no.2, 1962, 49-52

TEXT: A detailed description is given of a differential
gas Cherenkov counter developed in the high energy laboratory of
OIIYaI in 1959 and used in the beam of the synchrophasotron for
the detection of K-mesons in pulses of 3-5 GeV. Cherenkov
radiation from particles moving through the gas in the counter is
focused by a spherical aluminium coated mirror onto a circular
diaphragm placed in front of a perspex plug through which the
light passes and is detected with a $\Phi\beta\gamma$ -24 (FEU-24) photo-
multiplier. The plane of the photocathode is perpendicular to
the direction of the particle beam, which has a maximum diameter
of 10 cm, and the axis of the photomultiplier is displaced about
12 cm from it. A more detailed discussion of the optical
aberrations is given. The radiation tube is about 1.5 m long and
is lined with black velvet to reduce the background count; this
Card 1/2

A differential gas Cherenkov counter S/120/62/000/002/009/047
E039/E520

reduced the effective working length to 0.7 m. A photomultiplier with high quantum efficiency and large amplification is necessary and the electronic circuitry is sensitive to a pulse corresponding to one photoelectron from the cathode of the photomultiplier. The variation of efficiency with air pressure was determined and it is shown that a background count appears at pressures greater than ~ 25 atm. This background can be reduced further, to ~ 1 to 2%, by using gases such as ethane and ethylene. Peak efficiency is at about 10 atm for air and K-mesons and π -mesons can be separated in pulses up to 6 GeV/s. There are 4 figures.

ASSOCIATION: Ob'yedinennyy institut yadernykh issledovaniy
(Joint Institute for Nuclear Research)

SUBMITTED: August 17, 1961

Card 2/2

LIKHACHEV, M.F.

VOYENKO, A. S., KULAKOV, B. A., LIKHACHEV, M. F., NATULENKO, Yu. A., LYUBIMOV, L. L.,
SAVIN, I. A., SMIRNOV, E. V., and STAVINSKIY, V. S.

"Elastic Scattering of η -Mesons on Hydrogen on the 180° Angle"

Report presented at the Intl. Conference on High Energy Physics, Geneva,
4-11 July 1962

Joint Institute for Nuclear Research
Laboratory of High Energies, Dubna, 1962

LIKHACHEV, M.F.

VOYENKO, A. S., KULANDV, B. I., LIKHACHEV, M. F., LYUNINOV, L. L., MATULENKO, Yu. A.,
SAVIN, I. A. SMIRNOV, Ye. V., STAVINSKIY, V. S. TUNG-CHANG, Sai, TIAN-FU, Kie

"Inelastic Interactions of K^+ - Mesons with Hydrogen"

report presented at the Intl. Conference on High Energy Physics, Geneva,
4-11 July 1962

Joint Institute for Nuclear Research
Laboratory of High Energies, Dubna, 1962

LIKHACHEV, M.F.

KULAKOV, B. A., LIKHACHEV, M. F., MATULENKO, Yu. A., SAVIN, L. A., SMIRNOV, Ye. V.
and STAVINSKIY, V. S.

"Total Cross-Sections of K^+ - Mesons with Hydrogen at the Momenta From
3, 0 to 5, 0 GeV/c"

report presented at the Intl. Conference on High Energy Physics, Geneva,
4-11 July 1962

Joint Inst. for Nuclear Research
Lab. of High Energies, Dubna, 1962

VOVENKO, A.S.; KULAKOV, B.A.; LIKHACHEV, M.F.; LYUBIMOV, A.L.; MATULENKO,
Yu.A.; SAVIN, I.A.; STAVINSKIY, V.S.

Differential gas-discharge Cherenkov counter. Prib. i tekhn.
eksp. 7 no.2:49-52 Mr-Ap '62. (MIRA 15:5)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Nuclear counters)

BARKOV, L.M.; MUKHIN, K.N.; COURTISOV, V.V.; ROMANTSEVA, A.S.; SVETLOLOBOV, I.A.; CHUYEVA, S.A.; SHLYAPNIKOV, R.S.; LIKHACHEV, M.F.; STAVINSKIY, V.S.; STRUNOV, L.N.

The problem of the D^+ -meson. Zhur. eksp. i teor. fiz. 43 no.1:335-337 J1 '62. (MIRA 15:9)

1. Ob'yedinennyi institut yadernykh issledovaniy (for Strunov). (Mesons)

VOVENKO, A.S.; KULAKOV, B.A.; LIKHACHEV, M.F.; MATULENKO, Yu.A.; SAVIN, I.A.;
STAVINSKIY, V.S.

Cherenkov gas counters. Usp. fiz. nauk 81 no.3:453-506 N '63.
(MIRA 16:12)

VOVENKO, A.S.; GRACHEV, A.G.; LIKHACHEV, M.F.; MATULENKO, Yu.A.; SAVIN, I.S.;
STUY YUN-CHAN [Hsu Tung-ch'ang]; KHE YUAN'-FU [Ho Yuan-fu]

Elastic scattering of positive 3.2 Gev./sec. π^+ -mesons by protons.
IAd. fiz. 1 no.4:681-686 Ap '65. (MIRA 18:5)

1. Ob'yedinennyy institut yadernykh issledovaniy.

L 11946-66 EWT(m)/T/EWA(m)-2

ACC NR: AF6000736

SOURCE CODE: UR/0386/65/002/009/0409/0413

AUTHOR: Vovenko, A. S.; Gus'kov, B. N.; Likhachev, M. F.; Lyubimov, A. L.; Matulenko, Yu. A.; Savin, I. A.; Stavinskiy, V. S.

ORG: Joint Institute of Nuclear Research (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Elastic 180° scattering of π^+ mesons by protons at high energies

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 9, 1965, 409-413

TOPIC TAGS: elastic scattering, pion scattering, proton scattering, scattering cross section

ABSTRACT: This is a continuation of earlier measurements of the differential cross sections for elastic π^+p scattering in a small solid angle about 180° at π^+ -meson 1.s. momenta 3.15, 4.10, and 4.85 GeV/c, carried out at the High Energy Laboratory of the Joint Institute for Nuclear Research, the results of which for 3.15 GeV/c have already been published (Phys. Lett. v. 17, 68, 1965). In this paper the authors present the results for 4.10 and 4.85 GeV/c and compare the data obtained at all three energies. The measurements at the different energies were made with the same setup, which was already described earlier. The ratio of the number of elastic π^+ -meson backward-scattering events registered by the apparatus to the total number of obtained photographs decreased with increasing energy (1:4.4, 1:11, and 1:40 at 3.15, 4.10, and 4.85 GeV/c, respectively). This was due not only to the decrease in the measured

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ACC NR: AP6000736

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cross section, but to a deterioration of the background conditions as a result of the smaller spatial separation of the recoil protons from the beam particles. It was therefore required to apply more rigorous criteria for the selection of the backward elastic-scattering events than earlier. The effective c.m.s. solid angle of the setup, calculated by the Monte Carlo method with account of the Coulomb scattering of the particles, was 3.87×10^{-3} sr for 4.10 GeV/c and 3.04×10^{-3} sr for 4.85 GeV/c. The effective cross sections, corrected for the nuclear interaction of the primary and back-scattered π^+ mesons and the recoil proton in the hydrogen target and in the counters, for the muon contamination of the beam, for decay of the scattered pion, for the efficiency of the scintillation counters and the electronic circuitry, and for the efficiency of the spark chambers, were (99 ± 12) , (74 ± 11) , and (37 ± 12) $\mu\text{b/sr}$ for 3.15, 4.10, and 4.85 GeV/c, respectively. The previously deduced existence of a narrow peak of appreciable magnitude in the differential cross section of elastic π^+p backward scattering at 3.15 GeV/c is confirmed. Authors thank V. Birulev, T. Dobrovol'skiy, A. Zagorodnyi, I. Kakurin, V. Perevozchikov, and N. Chernyshov for help with the work, V. Kochkin for compiling the program and performing the computations, the proton synchrotron crew for stable operation of the accelerator, and the operating staff of the cryogenic division for supplying the liquid hydrogen. Orig. art. has: 1 figure, 1 formula, and 1 table.

SUB CODE: 20/ SUBM DATE: 15Sep65/ OTH REF: 002

HW
Card 2/2

LIKHACHEV, M.K.

Concentrator for light load telegraph installations. Vest.
svyazi 17 no.8:10-11 Ag '57. (MIRA 10:10)

1. Starshiy inzhener Upravleniya mezhdugorodnoy telegrafno-
telefonnoy svyazi Ministerstva svyazi RSFSR.
(Telegraph--Equipment and supplies)

Likbez. 11.44
PREZINSKIY, Moisey Leonidovich; DROZDOV, Anatoliy Vasil'yevich; ~~LIL~~
~~KHACHEV, M.M.~~ redaktor; KOGAN, F.L., tekhnicheskiy redaktor.

[Alternating current generator installations used in the ZIL-155 and LIL-127 motorbuses] Generatornye ustanovki peremennogo toka avtobusov ZIL-155 i ZIL-127. Moskva, Nauchno-tekhn.izd-vo avtotransp.lit-ry, 1957. 77 p. (MLRA 10:6)
(Motorbuses--Electric equipment)

S/135/62/000/007/006/010
A006/A101

AUTHOR: Likhachev, M. M., Candidate of Technical Sciences

TITLE: The use of rectifiers БАГГ-12-600 (VAGG-12-600) and БАГГ-15-600 (VAGG-15-600) for welding

PERIODICAL: Svarochnoye proizvodstvo, no. 7, 1962, 34 - 35

TEXT: The germanium rectifiers VAGG-12-600 and VAGG-15-600 are intended for galvanic cells and vibration-arc-welding machines. They are power supplied with 220 - 380 v a-c from a three-phase network and yield up to 600 amps rectified current at 12 and 15 v respectively. To make these rectifiers suitable for welding purposes, their voltage can be raised. Up to 300 amp current at 15 and 30 voltage can be obtained from VAGG-15-600 if the rectifying bridges are transformed from parallel to mixed connection. Thus voltages of 18 - 15 volt can be obtained when the load varies from 0 to 300 amps and also voltages from 36 to 30 volts at 300 amps current. Besides the smooth regulation of the rectified voltage, the necessity arises, as for VAGG-15-600 type rectifiers, to regulate the a-c voltage supplied to the rectifier. This can be brought about by connecting

Card 1/2

The use of...

S/135/62/060/007/006/010
A006/A101

a three-phase voltage regulator to the primary winding circuit. Such an auto-transformer, type PHT-220-12 (RNT-220-12) regulates smoothly the network voltage and that supplied to the rectifier within the required range. There are 2 figures.

Card 2/2

LIKHACHEV, M.M., kand.tekhn.nauk

Use of VAGG-12-600 rectifiers for welding. Svar.proizv. no.7:34-
35 J1 '62. (MIRA 15:12)

(Electric welding--Equipment and supplies)
(Electric current rectifiers)

LIKHACHEV, M.N.
REZIN, M.G.; KROPACHEV, G.P.; BURDE, L.V.; SERGEYEV, S.V.; SEMENOV, G.F.;
OSYKHOVSKIY, I.G.; DROBININ, Ya.I.; KOCHNEV, E.K.; MILAYKINA, R.N.
PARAMONOVA, Ye.I.; LIKHACHEV, M.N.[deceased].

"Electric engineering." A.S. Kasatkin, M.A. Perekalin. Reviewed by M. G.
Rezin and others. Elektrichestvo no.7:94-95 J1 '57. (MIRA 10:8)
(Electric engineering)
(Kasatkin, A.S.) (Perekalin, M.A.)

271C2: LI KHACHEV, K. S.-Uluchshit kachestvo zlektrobo rudovani ya dlyaprivoda novykh vrubovykh mashin i u ol'nykh korbaynov. (S pri mech. red.) Mekhani z atsi ya trudoem ki kh i tyazhelykh abot, 1949 No 8, s. 23-27

SO: Letapis' Zhurnal'nykh Statey, Vol. 36, 1949

LETNACHEV, M.S.

27102

Uluchshit' kachestvo elektrooborudovaniya dlya privoda novykh
vrubovykh mashin i ugol'nykh kombaynov (s irinech Red.)
Mekhanizatsiya trudoyfmkikh i tyazhelykh rabot, 1949, No. 8, S. 44-46

SO: LETOPIS' NO. 34

LIKHACHEV, M. S.

USSR/Electricity - Power Factor Induction Motors

Feb 53

"Discussion: On Measures to Raise the Power Factor of Electrical Installations of Industrial Enterprises," Dr Tech Sci I. A. Syromyatnikov, Tech Admin of Min of Elec Pow Stas USSR; Prof P. G. Grudinskiy, Moscow; Engr M. S. Likhachev, Moscow; Docent L. V. Litvak, Cand Tech Sci, Moscow; Dr. Tech Sci L. B. Geyler, Moscow

Elek-vo, No 2, pp 80-88

Consists of five letters from above-noted persons commenting on materials published in "Elektrichestvo" during 1952 on subject of raising power factor through synchronization of induction motors by DAG system. The point most often brought out in letters is that use of DAG system is only stop-gap measure and that real solution to problem lies only in adequate production of synchronous motors and static capacitors.

PA 248T28

604/111-59-1-25/35

AUTHOR: Likhachev, M.S., Deputy President of the Council

TITLE: Soviet Radio Electronics at the World Exhibition in Brussels
(Sovetskaya radio-elektronika na Vsemirnoy vystavke v Bry-
ussele)

PERIODICAL: Vestnik svyazi, 1959, Nr 1, pp 27 - 28 (USSR)

ABSTRACT: The article sums up Soviet exhibits in the field of radio electronics displayed during the Brussels World Fair. Fifty TV sets of 25 types were shown in action. The Leningrads-kiy zavod imeni Kazitskogo (Leningrad Plant imeni Kazitskiy) was awarded the Grand-Prix for the TV sets of type "Druzhba", "Mir", "Neva", "Kontsert" (53-cm-screens), "Yubiley" and "Znamya-58" (43 cm), and "Zarya" (35 cm). The Moskovskaya televizionnaya filial-laboratoriya (Moscow Television Branch Laboratory) was awarded the highest prize for its tubeless "Sputnik" TV set whose only electronic part is the picture tube. The Moskovskiy zavod televizionnoy apparatury (Moscow Plant for Television Equipment) was awarded an honorary diploma for its TV sets "Rubin" and "Almaz", and the "Moskva"

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SOV/111-59-1-25/35

Soviet Radio Electronics at the World Exhibition in Brussels

projection TV set. The Moskovskiy televizionnyy zavod (Moscow Television Plant) was awarded the golden medal for the TV sets "Temp-3", "Temp-4" and the TV-radio combination console "Temp-5". The Aleksandrovskiy radiozavod (Aleksandrovskiy Radio Plant) was awarded the gold medal for its "Rekord-2" TV set. About 40 radio receivers of 24 types were shown, which included the "Latviya", "Ametist" and "Akvamarin" and the radio-phonograph combinations "Kristall", "Rubin", "Almaz" and "Topaz" of the Zavod "VEF" ("VEF" Plant), which were awarded the Grand-Prix. The radio set "Festival" of the Rizhskiy radiozavod im. A.S. Popova (Riga Radio Plant imeni A.S. Popov) was awarded an honorary diploma. The radio sets and radio-phonograph combinations "Oktava", "Kometa", "Druzhba", "Volna" and "Planeta" and the transistor radio sets "Voskhod", "Syurpriz" and "Sputnik" were awarded gold medals, as was the KRU-40 transistorized kolkhoz radio re-diffusion station. The receivers "Estoniya" and the radio-phonograph combination "Baykal" obtained silver medals. The radio broadcasting equipment developed by the Institut radiopriyoma i akustiki (Radio Reception and Acoustics Insti-

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Soviet Radio Electronics at the World Exhibition in Brussels

tute) in cooperation with several radio plants was awarded an honorary diploma. Three MEZ-28 magnetic sound recorders were used for the reproduction of music within the Soviet Pavilion. Facsimile apparatus FTAP, FTA-M2 and "Rekord", ATS for the UATSK-40 service link between operators and the condensing equipment for the UPTS intra-city telephone networks were awarded the Grand - Prix. Silver medals were awarded to several telephone apparatus of the "VEF" Plant. Gold medals were awarded to the inter-district RS-25 radio station, the "Shlyup" emergency and rescue installation, and the FM RTN and RTM radio stations. The Grand-Prix was awarded to photoelectric multipliers of a 10^{-10} lumens and the UEMB-100 electron microscope which has a maximum magnification of 150,000 times. Honorary diplomas were given to the semiconductor devices P 12 (5 mc), P 406 (10 mc), P 407 (20 mc) and also to P6G, P 11, P5D, S4G and

Card 3/4

SOV/111-59-1-25/35

Soviet Radio Electronics at the World Exhibition in Brussels

P4D which were better than those displayed in the French, British, Japanese, and Belgian pavilions. There is 1 Dutch reference.

ASSOCIATION: Nauchno-tekhnicheskiy sovet Gosudarstvennogo komiteta po radioelektronike Soveta Ministrov SSSR (The Scientific and Technical Council of the Radio Electronics State Committee of the Council of Ministers of the USSR)

Card 4/4

LIKHACHEV, N. A., (Dr Vet Sci.)

USSR/Medicine - Veterinary, Newcastle's
Disease

"Experimental Production of a Vaccine Strain Effective Against Pseudo-plague of Chickens [Newcastle's Disease], N. V. Likhachev, Dr Vet Sci, V. N. Syurin, Cand Vet Sci, T. A. Perminov, State Sci-Control Inst for Vet Preps

Dok V-s Ak S-kh Nauk, No 9, Vol 18, pp 45-48

The authors discuss work done by foreign and USSR investigators on the production of a virus strain of Newcastle's disease suitable for use as a vaccine.

276T12

By inoculating chickens with a weakly virulent atypical strain of the virus, they produced immunity in the chickens. The chickens suffered a mild form of the disease, and imparted it to control birds living in the same coop, thereby causing immunity in the latter as well. When outbreaks occur, it is considered more economical to infect healthy birds with the mild form, than to incur the losses from the natural form. Presented by the Vet Sect, All-Union Order of Lenin Acad Agric Sci in V. I. Lenin.

LIKHACHEV, N.A. (Moskva)

Technique of fluorescent microscopy of histological specimens.
Arkh.pat. 16 no.2:61-64 Ap-Je '54. (MLRA 7:5)

(MICROSCOPY,

*luminescent, in histol.)

LIKHACHEV, N. A.

The Remote After-effects of the Military Cerebral Trauma and the Preventive Therapy. Voenno-Meditsinskiy Zhurnal, No 1, p 90, 1955.

Likhachev, N.

1153. Stability of microbe-bound foot and mouth disease virus.
N. Likhachev, P. M. Bazylev, and V. N. Sjurin *Trud. gosud. nauch.-
kontrol. Inst. vet. Prep.*, 1955, 5, 57-65. *Referat Zh. Biol.* 1956
Abstr. No. 47973. The virus was adsorbed on agar cultures of
Sarcina fluva, *Proteus vulgaris* or *Bacterium prodigiosum*. The
infectivity of the adsorbed virus was determined on guinea pigs.
The virus was most strongly adsorbed on *Bacterium prodigiosum*.
Adsorbed virus had greater stability on storage, u.v. irradiation, and
drying. Frozen virus culture dried *in vacuo* retained its activity
for two years but guinea pigs could only be infected by intradermal
injection in the paw; subcut. or i.d. injections on other parts of the
body caused no infection. (Russian) A. K. GRZYBOWSKI.

3

LIKHASHCHEV, N. A.

USSR / Human and Animal Morphology (Normal and
Pathological). Method and Technique
of Investigations

S

Abs Jour : Ref: Zhur - Biologiya, No. 3, 1959, 12240

Author : Likhashev, N. A.

Inst : -

Title : New Method of Tissue Freezing for Microtomy.

Orig Pub : Arkhiv patologii, 1957, 19, No. 7, 76-78

Abstract : A new apparatus for the preparation of sections, a special semiconductive freezing table was constructed. The working of the table is based on the effect of the thermoelectric cooling of the tissues which arises through passing of direct electric current through 12 semiconductive elements (a powdered alloy of tellurium, bismuth, selenium and antimony) in series. The

Card 1/2

LIKHACHEV, N.A.

Hexachloran induced psychosis. Zhur. nevr. i. psikh. 65
no.3:431-433 '65. (MIRA 18:4)

1. 3-ya Psikhonevrologicheskaya bol'nitsya im. Skvartsova-
Stepanova (glavnyy vrach F.I. Sluchevskiy, nauchnyy rukovoditel'-
prof. S.S. Mnukhin), Leningrad.

LIKHACHEV, N.I., inzh.

New standard and experimental designs for sewer structures. Vod.
i san. tekhn.no.5:9-13 '64. (MIRA 17:9)

PISAREVSKIY, S.S.; LIKHACHEV, N.S.

Air-ammonia drier for ceramic shells. Biul.tekh.-ekon.inform.Gos.
nauch.-issl.inst.nauch.i tekhn.inform. no.12:26-27 '63.

(MIRA 17:3)

LIKHACHEV, N. V.

LIKHACHEV, N. V. (Director, Ultravirus Laboratory, State Scientific Control
Institute for Veterinary Preparations, Peoples' Commissariat for Agriculture, USSR,
Aluminum hydroxide formol-vaccine against ovine smallpox.

So: Veterinariya ; 22; (2-3); February/March 1944; Uncl.
TABCON

LIKHACHEV, M. V. - author of "Immunity in Ultra-virus Diseases". vaccine against foot and mouth disease and smallpox of sheep was obtained by N. V. LIKHACHEV by the action of formalin on adsorbed viruses. - In direct contact with formalin the virus contained in liquid medium, rapidly weakens and perishes with the loss of antigenic properties. By introducing an adsorbent into the medium (mineral colloid--aluminum hydroxide), the virus loses its virulence but preserves its immunogenic properties. SO: Veterinariya, Vol. 22, No. 11/12; 14-17, Moskva, Nov/Dec, 1945 Uncl lme
(Trans 119 by L. Lulich)

Stalin Prizes	S M O S		filmsy	S R I		S M I and IR
	Book	New Cards	File 2			
	Old Cards		4-Way			Misc.

LIKHACHEV, N. V.

"Development of a Rational Method for Obtaining Immune Serum Against Swine Plague." Sub 13 Jun 47, Moscow Zooveterinary Inst

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No. 457, 18 Apr 55

LIKHACHEV, N. V. - author of "Specific Prophylaxis against Ultravirus Infections of Agricultural Animals" (Spetsificheskaya Profilaktika protiv Ul'travirusnykh Infektsii Sel'skokhozyaistvennykh Zhivothykh).

SO: Veterinariya, Vol. 24, No. 12: 37, Moskva, December 1947

Trans 67 by L. Lulich

Unclassified lre

LIKHACHEV, N. V. - author of " Vaccine against Smallpox Vaccine of Poultry
(Vaktsina Protiv Ospy-Difteriya Ptits) (pp212-222).

According to experimental data of N. V. LIKHACHEV, artificial infection with chicken virus destroys immunity to small-pox diphtheria in 26-38 percent of cases, in 1-3 months after the inoculation with pigeon virus. In 1943 pigeon virus was again tested by N. V. LIKHACHEV, A. A. Ushakov, and V. G. Baranovskiy, who decided that the pigeon virus vaccine produces an insufficiently stable immunity in majority of chickens and that the immunity is easily destroyed by infection with the virus of chicken smallpox. On basis of experimental research with unweakened virus of chicken smallpox in 1943 by LIKHACHEV, Ushakov and Baranovskiy, it was found that eradication of infection on smallpox infected farms could be achieved provided proper means of disinfection and safeguards against the spread of the diseases are used.

SO: Biologicheskkiye i Khimioterapevticheskiye Veterinarnye Preparaty (534p.)
Moskva, 1948

lme

LIKHACHEV, N. V.

"Serum against Cattle Plague" (Syvorotka Protiv Shumy Rogatoga Skota)

Deals with the shift in production to immuno-serum in place of immuno-blood preparation; breeds of cattle most reactive to the plague agent and capability of certain breeds to yield serum; two methods of hyperimmunization of animals; gradual treatment by antigen and rapid production of active serum.

SOURCE: Biologicheskiye i Khimioterapevticheskiye Veterinarnyy Preparaty (pp 343-352) (Gosudarstvennyy Nauchno-Controlnyy Institut Veterinarnykh Preparatov, Moskva, 1948. 534 p.)

LIKHACHEV, N. V.

PA 31/49T106

USSR/Medicine - Bacteria, Filtrable Form Oct 48
Medicine - Viruses

"In Support of Michurinian Principles in Virology,"
N. V. Likhachev, Laureate of Stalin Prize, Dr
Vet Sci, B. N. Syurin, Cand Vet Sci, 3 $\frac{1}{2}$ pp

"Veterinariya" No 10, Vol 25, p. 12, Oct 1948

Shows that work of Ultravirus Lab, State Sci
Control Inst, is in conformity with Michurinian
principles, giving concrete examples.

31/49T106

LIKHACHEV, N.V. (Prof)

USSR/Medicine (Veterinary) - Nov/Dec 51
Virus Diseases

"Experiments on the Modification of Biological Properties of the Virus of Bird Plague/Pestis Avium," Prof N. V. Likhachev, Laureate of Stalin Prize, V. N. Syurin, Cand Vet Sci, GIKI (State Sci Testing Inst for Vet Preps) Min of Agr USSR.

"Agrobiologiya" No 6, pp 113-116
After growing T strain of virus of atypical bird plague on young chicken embryos
200T99

USSR/Medicine (Veterinary) - Nov/Dec 51
Virus Diseases (Contd)

(tissues of embryos 15-17 days old are unsuitable, because specificity is retained), adapted virus to ducks, then passed it to guinea pigs, and from them to cats and sheep (also from cats to rabbits and from sheep to guinea pigs). The passages were through the brain and nerve tissue of exptl animals in every case. Virus from cats and virus from sheep (the latter after being cultivated on chicken embryos, did not produce the disease in chickens, but immunized them.

200T99

LIKHACHEV, N.V.; SYURIN, V.M.; BORISOVICH, TU. F.
State Scientific Control Institute of Veterinary Preparations,
Ministry of Agriculture, USSR
"On the biological properties of the virus of fowl pseudoplague."
SO: Vet. 28 (5) 1951, p. 22

LIKHACHEV, N. V.

Veterinarians

Stalin prize winner; fiftieth anniversary. Veterinariia 29 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1952₂, Unclassified.

LIKHACHEV, N.V., professor, laureat Stalinskoy premii.

Ways and methods of investigating biopreparations for active
inoculation for virus infections. Trudy Gos. nauch.-kont.inst.
vet.prep. 4:101-115 '53. (MIRA 7:10)
(Vaccines)

E-3

USSR / Virology. Human and Animal Viruses.

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43067.

Author : Likhachev, N. V., Sitskiy, A. P.

Inst : Not given.

Title : Improvement of Crystal-Violet Vaccine Against Hog Cholera.

Orig Pub: Tr. Gos. nauchno-kontroln. in-t po vetpreparatam, 1956, 6, 30-44.

Abstract: To the vaccine 20% of purified glycerine and 1.5% aluminum hydroxide were added, and the period of inactivation at 37° was shortened from 20 to 10-14 days; in this way the vaccine activity was increased. A hypodermic injection of 5 ml of this vaccine to piglets with a live weight of 50 kg and more created a stable immunity for a period no less than 6 months; a vaccine with aluminum hydroxide

Card 1/2

6

USSR / Virology. Human and Animal Viruses.

E-3

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43068.

Author : Likhachev, N. V.

Inst : ~~Not given.~~

Title : Search for a Rational Method of Obtaining Serum
Against Hog Cholera.

Orig Pub: Tr. Gos. nauchno-kontroln. in-t po vetpreparatam,
1956, 6, 44-54.

Abstract: A one-time intraperitoneal method of hyperimmunization of pregnant hogs by introduction of 600 ml of virus (hemolized cholera blood with a physiological solution) proved to be effective and permitted shortening the period of hyperimmunization to 10 days. The serum, obtained from 148 hyperimmunized hogs by this method, proved to be active in doses of 0.3, 0.5, and 0.9 ml per kg of live

Card 1/2

7

SHEN, R.M.; ORLOVA, N.N.; TUREVICH, S.T.; LIKHACHEV, N.V.; NAZAROV, V.P.

The dry formel rabies vaccine applied with a stimulant.
Veterinariia 33 no.1:30-32 Ja '56. (MLRA 9:4)

1. Institut virusologii imeni D.I. Ivanovskogo ANN SSSR (for Shen, Orlova, Turevich). 2. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov Ministerstva sovetskikh khozyaystv SSSR (for Likhachev). 3. Tsentral'naya shkola veyennogo sobakovodstva (for Nazarov).

(RABIES--PREVENTIVE INOCULATION)

USSR/Virology - Human and Animal Viruses.

E-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52658

Author : Likhachev, N.V., Shayn, D.A., Fedyushina, T.M.

Inst : ~~Experimental Preparation of a Tissue Vaccine Against~~

Title : Experimental Preparation of a Tissue Vaccine Against
Sheep Smallpox.

Orig Pub : Inform. byul. biol., prom-sti, 1957, No 2, 8-12

Abstract : In order to avoid loss of virus in tissues, the preparation is recommended of a vaccine from a virus suspension in the proportion of 1:20 (without quinosol) containing 20% glycerine. A tissue aluminum hydroxide vaccine, introduced in 2 ml doses, creates a stable immunity in sheep, serviceable for a period of no less than 8 months; the output of material from infected sheep is increased considerably in preparing a tissue vaccine. Since the dose in this method is smaller $2\frac{1}{2}$ times as many animals can be vaccinated with the same amount of vaccine.

Card 1/1

LIKHACHEV, N.V., prof.

Swine plague and its control [with summary in English].
Veterinariia 35 no.8:23-29 Ag '58. (MIRA 11:9)

1. Deystvital'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystven-
nykh nauk im. V.I. Lenina.
(Swine plague)

LIKHACHEV, N.V., red.; CHERNYSHEV, V.V., red.; VASIL'KOV, G.V., red.

[Brucellosis in farm animals and hog cholera; materials of the joint plenum of the Veterinary Section of the Animal Husbandry Division of the All-Union Academy of Agricultural Sciences, of the Chief Administration of Veterinary Medicine, and the Chief Administration of Science of the R.S.F.S.R. Ministry of Agriculture] Brutsellez sel'skokhoziaistvennykh zhivotnykh i chuma svinei; materialy ob"edinnogo plenuma Veterinarnoi sekti Otdeleniia zhivotnovodstva VASKhNIL, Glavnogo upravleniia veterinarii i Glavnogo upravleniia nauki Ministerstva sel'skogo khoziaistva RSFSR. Moskva, Izd-vo M-va sel'. khoz.SSSR, 1959. 251 p.

(MIRA 13:12)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina. Veterinarnaya sektiia.
(Brucellosis) (Hog cholera)

LIKHACHEV, N.V., prof.; AGRINSKIY, N.I., prof.; SYURIN, V.N., prof.;
SPESIVTSEVA, N.A., prof.; KOLOBOLOTSKIY, G.V., prof.;
ZOLOTAREV, N.A., prof.; KORYAZHNOV, V.P., prof.; KOLESOV,
S.G., prof.; BABICH, M.A., prof.; PETROV, A.M., prof.; ZOTOV,
A.P., prof.; DOROFEYEV, K.A., prof.; POLYKOVSKIY, M.D., prof.;
SOLOMKIN, P.S., prof.; ORLOV, Ye.S., prof.; KOTOV, V.T., prof.;
TRILENKO, P.A., prof.; LYUBASHENKO, S.Ya., prof.; USACHEVA,
I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn. red.

[Veterinary laboratory practice] Veterinarnaia laboratornaia
praktika. Moskva, Sel'khozizdat. Vol. [General microbiological
methods of investigation] Obshchie mikrobiologicheskie metody is-
sledovaniia. 1963. 566 p. Vol. 2. [Biochemical, chemico-
toxicological, and veterinary hygienic methods of investigation]
Biokhimicheskie, khimiko-toksikologicheskie i zoogigienicheskie
metody issledovaniia. 1963. 431 p. (MIRA 16:8)
(Veterinary laboratories)

LIKHACHEV, N.V.; SYURIN, V.N.; TSION, R.A.; SHCHERBATYKH, P.Ya.;
ZOTOV, A.P.; SKOMOROKHOV, A.L.; PIROG, P.P.; PINUS, A.A.;
BAZYLEV, P.M.; NAZAROV, V.P.; ORLOV, F.M., dots.;
USACHEVA, I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I.,
tekhn. red.; PROKOF'YEVA, L.N., tekhn. red.

[Virus diseases of animals] Virusnye bolezni zhivotnykh.
Moskva, Sel'khozizdat, 1963. 564 p. (MIRA 17:1)

LIKHACHEV, N.V., akademik; ORLOV, S.D., mladshiy nauchnyy sotrudnik;
SHEMANOVA, G.F., mladshiy nauchnyy sotrudnik

Preparation of a vaccine against foot-and-mouth disease from
viruses grown in tissue cultures. Veterinariia 40 no.3:64-65
Mr '63. (MIRA 17:1)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov.

IL'IN, Ye.V.; KAL'GINA, Yevgeniya Viktorovna; ARSHANSKIY, Yakov
Naumovich. Prinimal uchastiye SURENKOV, S.M.; KAPLAN,
L.G.; LIKHAREVA, N.V., kand. tekhn. nauk; retsenzent;
RUDOMETKIN, F.I., retsenzent; KANTOROVICH, V.I.,
retsenzent; KREST'YANINOVA, Ye.M., red.

[Refrigerating machinery and plants] Kholodil'nye mashiny
i ustanovki. Moskva, Pishchevaya promyshlennost', 1964.
551 p. (MIRA 18:1)

LIKHACHEV, M.V., prof.; VOINOV, S.I., kand. veterin. nauk: KARPOVICH, M.B.,
mladshiy nauchnyy sotrudnik; ALEKSEYENOK, A.Ya., mladshiy nauchnyy
sotrudnik; KENIYA, T.Sh.

Immunogenic properties of the strain of foot-and-mouth disease
viruses of the SAT-1 type. Veterinariia 41 no.5:23-25 My '64.
(MIRA 18:3)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov (for all except Keniya). 2. Deystvitel'nyy chlen Vse-
soyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina
(for Likhachev). 3. Nachal'nik Upravleniya veterinarii Gruzinskoy
SSR (for Keniya).

LIKHACHEV, N.V., prof.; BORISOVICH, Yu.F., mladshiy nauchnyy sotrudnik

Biological properties of the smallpox pathogen. Veterinariia
41 no.7:12-15 J1 '64. (MIRA 18:11)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii
sel'skokhozyaystvennykh nauk imeni Lenina (for Borisovich).

GLUSHKO, B.A., aspirant; LIKHACHEV, N.V., prof., nauchnyy rukovoditel' raboty

Dynamics of the titer of antibodies in newborn calves during
foot-and-mouth disease. Veterinariia 41 no.8:20-21 Ag '64.

(MIRA 184)

1. Tadzhikskiy nauchno-issledovatel'skiy veterinarnyy institut.

URUSHADZE, A.Ya., aspirant; LIKHACHEV, N.V., prof., nauchnyy rukovoditel' raboty

Dry tissue virus vaccine against infectious laryngotracheitis in
chickens. Veterinaria 41 no.8:21-24 Ag '64. (MIRA 18:4)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov.

Likhachev, V.I. 1964; Yevleva, L.S., mladshiy nauchnyy sotrudnik

Active immunization of swine against hog cholera. Veterinariia 41
no.9:30-33 S '64. (MIRA 18:4)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyay-
stvennykh nauk im. V.I.Lenina (for Likhachev).

12 L 10356-66 EWT(1)/EWA(j)/EWA(b)-2 JK

ACC NR: AP5028193

SOURCE CODE: UR/0346/65/000/009/0025/0028

AUTHOR: Likhachev, N. V.; Borisovich, Yu. F.; Skalinskiy, Ye. I.

ORG: State Scientific Control Institute of Veterinary Preparations
nauchno-kontrol'nyy institut veterinarnykh preparatov

TITLE: Susceptibility of swine to the viruses of fowlpox

SOURCE: Veterinariya, no. 9, 1965, 25-28

TOPIC TAGS: animal disease, immunity, fowlpox, virus disease, veterinary medicine

ABSTRACT: Swine are susceptible to the virulent strain of the Kuchinskiy virus of cowpox and to the vaccinal strain of the GNKI virus of pigeon pox. Contact infection of young sows with cowpox virus is possible during two successive passages. Sows which recover from cowpox and pigeon pox are immune to the corresponding types of pox and in part to the vaccinia virus, but not to the original pox virus. Cowpox virus passaged once in swine loses its ability to infect chick embryos, i. e., it acquires properties similarly to the original swine pox virus. Histologically, the variolar process in swine infected with the original swine pox vaccine is proliferative in nature, whereas in young sows infected with cowpox virus it is mostly exudative. Lysis of the caryoplasm and wrinkling of the nuclear membrane occurs in the epithelial cells of the skin of young sows infected with virulent cowpox virus. Vac-

Card 1/2

UDC: 619 : 616.988.13 : 636.4

L 10356-66

ACC NR: AP5028193

ulation of the nucleus is characteristic in sows infected with the original swine
pox virus. Cowpox virus in the skin of young sows usually does not form the cyto-
plasmic inclusions associated with the original swine pox. Orig. art. has: 5
figures.

SUB CODE: 06/

SUBM DATE: *none*

ORIG REF: 003/

OTH REF: 003

CC
Card 2/2

L 31310-66 EWT(1)/T JK
 ACC NR: AP6022582 (A,N) SOURCE CODE: UR/0346/66/000/001/0020/0022

AUTHOR: Darda, P. N.; Salazhov, Ye. L.; Antonyuk, V. P.; Likhachev, N. V. (Professor;
 Scientific director) 2.5 B

ORG: State Scientific Control Institute of Veterinary Preparations (Gosudarstvennyy
 nauchno-kontrol'nyy institut veterinarnykh preparatov)

TITLE: Antigenic properties of foot-and-mouth disease virus strain A1

SOURCE: Veterinariya, no. 1, 1966, 20-22

TOPIC TAGS: foot and mouth disease, antigen, virus, virology

ABSTRACT: Serological and biological tests (complement fixation test) were conducted to investigate the antigenic properties of an epizootic strain (A1) of the foot-and-mouth disease virus isolated in 1964 in Trans-Caucasus. The strain was found to belong among the variants of Type A of the virus and is distinguished in its properties from the A-102, A-103, and A-standard variants cultivated in the laboratory. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 CC

UDC: 619.616.988.43-097

09/5

0599

LIKHACHEV, P.

Protection of low-tension electric machinery against lightning. Tr. from the
Russian. p. 42.

ELEKTROENERGIYA, Sofiya, Vol. 6, no. 3/4, Mar./Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

LIKHACHEV, P.A., inzh.

Protection of electric substations connected to electric power
transmission lines with an elevated lightning grounding line
from overvoltages caused by lightning strikes. Elek. sta. 32
no.1:70-76 Ja '61. (MIRA 16:7)

(Electric substations) (Lightning protection)
(Electric lines—Overhead)

AUTHORS: Borovikov, A., and Likhachev, R., Engineers SOV/84-59-11-47/66

TITLE: Checking Turbine Blades by Ultrasound

PERIODICAL: Grazhdanskaya aviatsiya, 1959, Nr 11, pp 25-26 (USSR)

ABSTRACT: The authors explain the essence of the ultrasound method of inspecting jet engine turbine blades for the presence of initial fatigue cracks not less than $1.25 \div 1.5 \text{ mm}^2$, and give a general description of the inspection equipment developed by GosNII GVF. The equipment is a feeler, three types of which are shown in Figs 6 and 7. The structural scheme is shown in Fig 3. Plexiglass is used, (polymethyl methacrylate), as the material introducing the ultrasound oscillations into the turbine blade. Plexiglass prisms do not excite multiple refractions of ultrasound waves. An empirical introduction of the ultrasound waves into the blade at 57, 60, 62, 63, and 64° has shown best results at an angle of 62°. The checking was performed as shown in Fig 4. Acoustically direct contact was achieved by preliminary

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Checking Turbine Blades by Ultrasound

SOV/84-59-11-47/66

wetting the feeler's refraction prism with thin machine oil. While developing this inspection equipment, GosNII GVF made use of an UZD-7N defectoscope of TsNIIIMash, having 0.8 and 2.5 mgc frequencies. A disc of barium titanate, 12 mm in diameter, was used as a piezoconverter. To further develop the ultrasound inspection of turbine blades, it is necessary to create a sensitive, portable unit based on semiconductor instruments and printed circuits, and to provide the engines with inspection windows, through which each turbine stage can be inspected. There are 3 diagrams and 6 sets of photographs.

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S/128/63/000/001/007/008
A004/A127

AUTHORS: Leont'yeva, A.V., Batuner, Yu.Ye., Likhachev, R.B.

TITLE: Improving the quality of the AJ 8 (AL8) alloy

PERIODICAL: Liteynoye proizvodstvo, no. 1, 1963, 37

TEXT: To reduce the amount of oxides in the AL8 alloy it is refined for 5 - 8 minutes at 700 - 720°C under intense stirring in vertical direction, while the surface of the melt is continuously covered with a carnallite flux. The slag is removed from the surface, new flux is added and the metal is poured at 700 - 720°C, which increases the mechanical properties of the alloy as follows: $\sigma_b = 30.8 + 32.5 \text{ kg/mm}^2$, and $\delta = 9 + 11.6\%$ after heat treatment. If AL8 alloy with beryllium and titanium additions is produced, it is recommended to refine the alloy by mixing the flux layer over a depth of 100 - 150 mm. Corrosion tests of specimens produced by this technology showed that AL8 alloy parts containing titanium and improved by refining showed the highest corrosion resistance. ↓

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LEONT'YEVA, A.V.; BATUNER, Yu.Ye.; LIKHACHEV, R.B.

Improving the quality of the AL8 alloy. Lit. proizv.
no.1:37 Ja '63. (MIRA 16:3)
(Aluminum-magnesium alloys—Metallurgy)

LIKHACHEV, S.M.; KOZIN, P.D.

New developments in production organization in the "Belka"
Fur Hat Factory. Kozh.-obuv. prom. 5 no.6:41 Je '63.
(MIRA 16:6)

1. Nachal'nik tsekha golovnykh uberov mekhovoy fabriki
"Belka" (for Likhachev). 2. Zaveduyushchiy skornyazhno-poshi-
vochno-shapochnym proizvodstvom mekhovoy fabriki "Belka" (for
Kozin).

(Industrial management)

LIKHACHEV, V., inzh.; LERMAN, D., inzh.

Standard poles for urban electric lines. Zhil.-kom. khoz. 11
no.4:14-15 Ap '61. (MIRA 14:6)
(Electric lines--Poles)

LIKHACHEV, V.

Engines-Testing

Testing engines on the chassis of the tractor. MTS 12, No. 9, 1952

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

1. LIKHACHEV V.
2. USSR (600)
4. Tractors-Motors
7. Adjusting the regulator of the KDM-46 motor, MTS 12, no.11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZEMLYAK, Yu.; LIKHACHEV, V.

Reorganization in full swing. Mest. prom. i khud. promys.
no.5:7-8 My '63. (MIRA 16:7)

1. Glavnyy inzh. Moldglavbyta, Kishinev (for Zemlyak).
2. Starshiy inzh. Moldglavbyta, Kishinev (for Likhachev).
(Moldavia--Service industries)